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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
(Case No. 00-368-A)

In the Application of:

William B. Busa

Serial No. 09/768,686

Filing Date: January 24, 2001

For: Method And System For Automated  
Inference Creation Of Physico-Chemical  
Interaction Knowledge From Databases  
Of Co-occurrence Data



Examiner: TBD

Group Art Unit: 2153

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
Washington, D.C. 20231-1111

Dear Sir:

Pursuant to the duty of disclosure provided by 35 C.F.R. § 1.56 and §§ 1.97-98, the applicants wish to make the following references of record in the above-identified application. Copies of the references are enclosed. Copies are also listed in the PTO-1449 form enclosed herewith. It is requested that the documents be given careful consideration and that they be cited of record in the prosecution history of the present application so that they will appear on the face of the patent issuing from the present application.

Portions of the reference may be material to the examination of the pending claims, however no such admission is intended. 37 C.F.R. 1.97 (h). The reference has not been reviewed in sufficient detail to make any other representation and, in particular, no representation is intended as to the relative importance of any portion of the reference. This Statement is not a representation that the cited reference has an effective date early enough to be "prior art" within the meaning of 35 U.S.C. sections 102 or 103.

# CITED REFERENCES

## U.S. Patents

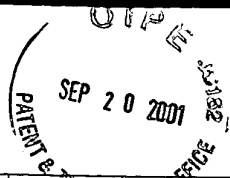
Document Number							Date	Name	Class	Subclass	Filing Date if Appropriate
4	9	4	2	5	2	6	07/17/90	Okajima et al.	364	419	10/24/1986
5	1	8	1	1	6	3	01/19/93	Nakajima et al.	364	419	07/31/1989
5	2	1	8	6	9	5	06/08/93	Noveck et al.	395	600	02/05/1990
5	2	3	5	5	2	2	08/10/93	Bacus	364	497	10/10/1990
5	2	7	6	8	6	0	01/04/94	Fortier et al.	395	575	12/19/1989
5	2	7	6	8	6	7	01/04/94	Kenley et al.	395	600	12/19/1989
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5	5	3	7	5	8	5	07/16/96	Blickenstaff et al.	395	600	02/25/1994
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5	9	3	0	1	5	4	07/27/99	Thalhammer-Reyero	364	578	07/08/1997



FORM PTO-1449 (Rev. 2-32)	U. S. Department of Commerce Patent and Trademark Office		Atty. Docket No.	Serial No.
<b>SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (Use several Sheets is Necessary)		00-368-A		09/768,686
		Applicant: <b>William B. Busa</b>		
		Filing Date: <b>01/24/2001</b>	Group: <b>2153</b>	

U. S. PATENT DOCUMENTS

Examiner Initials	Document Number							Date	Name	Class	Subclass	Filing Date if Appropriate
	4	9	4	2	5	2	6	07/17/90	Okajima et al.	364	419	10/24/1996
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	5	7	3	2	1	5	0	03/24/98	Zhou et al.	382	133	09/19/1995
	5	9	3	0	1	5	4	07/27/99	Thalhammer-Reyero	364	578	07/08/1997
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	6	0	9	4	6	5	2	07/25/00	Faisal	707	5	06/10/1998
	6	1	0	3	4	7	9	08/15/00	Taylor	435	7.2	05/29/1997

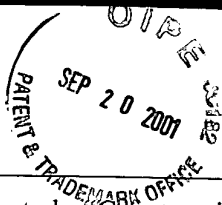
### FOREIGN PATENT DOCUMENTS

Examiner Initials	Document Number									Date	Country	Class	Sub class	Translation	
														Yes	No
	WO	98/	3	8	4	9	0		A1	27-Feb-98	PCT				
	WO	96/	2	2	5	7	5		A1	17-Jan-96	PCT				
		2	0	5	0	2	5	1		8-Jul-69	FR				
	WO	97/	4	2	2	5	3		A1	6-May-97	PCT				
	WO	00/	1	5	8	4	7			23-Mar-00	PCT				
	EP	0	4	7	1	6	5	0	A1	19-Feb-92	EP				
	EP	0	8	1	1	4	2	1	A1	5-Jun-97	EP				
	EP	0	3	6	7	5	4	4	A2	30 Oct 89	EP				
	WO	91/	0	6	0	5	0		A1	16 Oct 90	WO				

### OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc).

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		W. Salmonsens, K.Y.C. Mok, P. Kolatkar, S. Subbiah, "BioJAKE: A Tool for the Creation, Visualization and Manipulation of Metabolic Pathways," Bioinformatics Centre, 01/1999, pp. 392-400.
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		P.D. Karp, "Database Links are a Foundation for Interoperability," Aug 1996, pp. 273-279, TibTech, (Vol. 14)
		Paley, P.D. Karp, "Adapting EcoCyc for Use on the World Wide Web," Gene 172 (1996) GC43-GC50, Mar 28, 1996, pp. 43-50.
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		C. Allee, "Data Management for Automated Drug Discovery Laboratories," XP-002134398, Aug 21, 1996, pp. 307-310.
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		K.A. Giuliano, R.L. DeBiasio, R. T.Dunlay, A. Gough, J.M. Volosky, J. Zock, G.N. Pavlakis, D. Lansing Taylor, "High-Content Screening: A New Approach to Easing Key Bottlenecks in the Drug Discovery Process," Journal of Biomolecular Screening, 1997, pp. 249-259, (Vol. 2, No. 4) Winter.
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		Ethan B. Arutunian, Deirdre R. Meldrum, Neal A. Friedman and Stephen E. Moody, "Flexible Software Architecture for User-Interface and Machine Control in Laboratory Automation," BioTechniques 25:698-705 (October 1998).
		Blaschke et al., "Automatic Extraction Of Biological Information From Scientific Text: Protein-Protein Interactions", ISMB'99, pages 60-67.
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		Craven et al., "Constructing Biological Knowledge Bases By Extracting Information From Text Sources", ISMB'99, pages 77-86.
		Gordon et al., "Toward Discovery Support Systems: A Replication, Re-Examination, And Extension Of Swanson's Work On Literature-Based Discovery Of A Connection Between Raynaud's And Fish Oil", Journal Of The American Society For Information Science, 47(2), 1996, pages 116-128.
		Swanson et al., "An Interactive System For Finding Complementary Literatures: A Stimulus To Scientific Discovery", Artificial Intelligence 91 (1997), pages 183-203.
EXAMINER		DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformation and not considered. Include copy of this form with next communication.

5	9	8	9	8	3	5	11/23/99	Dunlay et al.	435	7.2	02/27/1997
6	0	9	4	6	5	2	07/25/00	Faisal	707	5	06/10/1998
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3		2	0	5	0	2	5	1		8-Jul-69	FR				
4	WO	97/	4	2	2	5	3		A1	6-May-97	PCT				
5	WO	00/	1	5	8	4	7			23-Mar-00	PCT				
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8	EP	0	3	6	7	5	4	4	A2	30 Oct 89	EP				
9	WO	91/	0	6	0	5	0		A1	16 Oct 90	WO				

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15 C. Allee, "Data Management for Automated Drug Discovery Laboratories," XP-002134398, Aug 21, 1996, pp. 307-310.
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19 K.A. Giuliano, R.L. DeBiasio, R. T.Dunlay, A. Gough, J.M. Volosky, J. Zock, G.N. Pavlakis, D. Lansing Taylor, "High-Content Screening: A New Approach to Easing Key Bottlenecks in the Drug Discovery Process," Journal of Biomolecular Screening, 1997, pp. 249-259, (Vol. 2, No. 4) Winter.
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20 B.R. Conway, L.K. Minor, J.Z. Xu, J.W. Gunnet, R. DeBiasio, M.R. D'Andrea, R. Rubin, R. DeBiasio, K. Giuliano, L. Zhou, K.T. Demarest, "Quantification of G-aprotein Couples Receptor Internalization Using G-Protein Coupled Receptor-Green Flourescent Protein Conjugates with the ArrayScan™ High-Content Screening System," Journal of Biomolecular Screening, 1999, pp. 75-86, (Vol. , No. 2), April.
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21 Ethan B. Arutunian, Deirdre R. Meldrum, Neal A. Friedman and Stephen E. Moody, "Flexible Software Architecture for User-Interface and Machine Control in Laboratory Automation," BioTechniques 25:698-705 (October 1998).
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Swanson et al., "An Interactive System For Finding Complementary Literatures: A Stimulus To Scientific Discovery", Artificial Intelligence 91 (1997), pages 183-203.

Respectfully submitted,

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Date: September 20, 2001

By:



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